

Patent claims

1. A radio device (5) for transmitting radio signals (FSE)
- 5 - comprising an electrical interface (SS) having at least one data terminal (E5A) for connecting the radio device (5) to an external data source, and
- comprising a transmitting device (10) which is in communication with the at least one data terminal
- 10 (E5A) and which
- generates the radio signals (FSE) with data signals (DSE) of the external data source, transmitted via the at least one data terminal (E5A),
- characterized in that
- 15 - the radio device (5) exhibits
- an energy extraction device (15), the
- input of which is connected to the at least one data terminal (E5A) and the output of which is connected to a power supply input (E10B) of the
- 20 transmitting device (10) and which
- takes energy from the data signals (DSE) of the external data source and feeds this energy at the power supply input (E10B) into the transmitting device in order to operate it,
- 25 - in that the transmitting device (10) exhibits a further power supply input (E10C) for connecting an external power supply device, and
- in that the transmitting device (10) is of such a nature that the radio signals (FSE) generated by it
- 30 - exhibit a first predetermined transmitting power in the case where the power (U) is supplied exclusively by the energy extraction device (15), and
- exhibit a second predetermined transmitting power
- 35 exceeding the predetermined transmitting power in the case where voltage/current is applied to the further power supply input (E10C).

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2. The radio device as claimed in claim 1,
characterized in that

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the energy extraction device (15) has at its input a rectifying device (110) which is followed by an energy store (120) connected to the power supply input (E10B) of the transmitting device (10).

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3. The radio device as claimed in claim 2, characterized in that

- the rectifying device (110) contains a diode for rectification.

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4. The radio device as claimed in claim 1, 2 or 3, characterized in that

- the interface (SS) is a parallel interface having a number of data terminals.

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5. The radio device as claimed in claim 4, characterized in that

- the interface (SS) is an IEEE 1284 interface.